

## [TS13F7]

### Nanofabrication Process and Platform 7

<b>Date &amp; Time</b>	July 5(Fri.), 2024 / 14:00–16:30
<b>Place</b>	Room 212
<b>Session Chair(s)</b>	Seoungjun Chung (Korea Univ.), Jae Sung Yoon (KIMM)

**TS13F7\_I\_1 \*Invited** 14:00–14:30

**Direct-Printing More Components onto Large-Area and 3D Electronics**

Jimin Kwon  
*(UNIST)*

**TS13F7\_I\_2 \*Invited** 14:30–15:00

**Magnetic Nanocomposites for Agile Micro-Robotics**

Jeong Jae Wie  
*(Hanyang University)*

**TS13F7\_I\_3 \*Invited** 15:00–15:30

**Nanoribbon Yarn with Versatile Inorganic Materials**

Yongrok Jeong<sup>1</sup>, Junseong Ahn<sup>2</sup>, Mingu Kang<sup>3</sup>, Jun-Ho Jeong<sup>4</sup>, and Inkyu Park<sup>3</sup>  
*(<sup>1</sup>KAERI, <sup>2</sup>Korea University, <sup>3</sup>KAIST, <sup>4</sup>KIMM)*

**TS13F7\_O\_4** 15:30–15:45

**Neuromorphic Computing using Nanofluidic Memristors**

Jaehyun Kim<sup>1</sup>, T.M. Kamsma<sup>2</sup>, KyungJun Kim<sup>1</sup>, W.Q. Boon<sup>2</sup>, C. Spitoni<sup>2</sup>, R. van Roij<sup>2</sup>, and Jungyul Park<sup>1</sup>  
*(<sup>1</sup>Sogang University, <sup>2</sup>Utrecht University)*

**TS13F7\_O\_5** 15:45–16:00

**Cross-Contamination Free Multi-Ceramic Additive Manufacturing through Calcium Phosphate – Bioglass Hierarchical Structure as Potential Bone Defect Recovery**

Imam Akbar Sutejo<sup>1,2</sup>, Sinuo Zhang<sup>1,2</sup>, Shakeel Abbas<sup>1,2</sup>, Muhammad Bilal<sup>1,2</sup>, Chang Woo Gal<sup>1</sup>, Yeong-Jin Choi<sup>1</sup>, Honghyun Park<sup>1</sup>, and Hui-Suk Yun<sup>1,2</sup>  
*(<sup>1</sup>KIMS, <sup>2</sup>UST)*

TS13F7\_O\_6

16:00–16:15

**Data-Driven Analysis of Chemical Reactions and Process Control Strategies in Fluorine Plasma Environments**

Sung Kyu Jang, Ga In Choi, Sun Gil Kim, Jong Hyun Choi, Jihun Kim, Seul-Gi Kim, Hyun-Mi Kim, Hyeongkeun Kim, and Woosung Lee

*(KETI)*

TS13F7\_O\_7

16:15–16:30

**Enhancement of Printing Accuracy of Ceramics through a Novel Flashing Process**

Shakeel Abbas<sup>1,2</sup>, Yeong-Jin Choi<sup>2</sup>, Chang Woo Gal<sup>2</sup>, and Hui-suk Yun<sup>1,2</sup>

*(<sup>1</sup>UST, <sup>2</sup>KIMS)*

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Symposium